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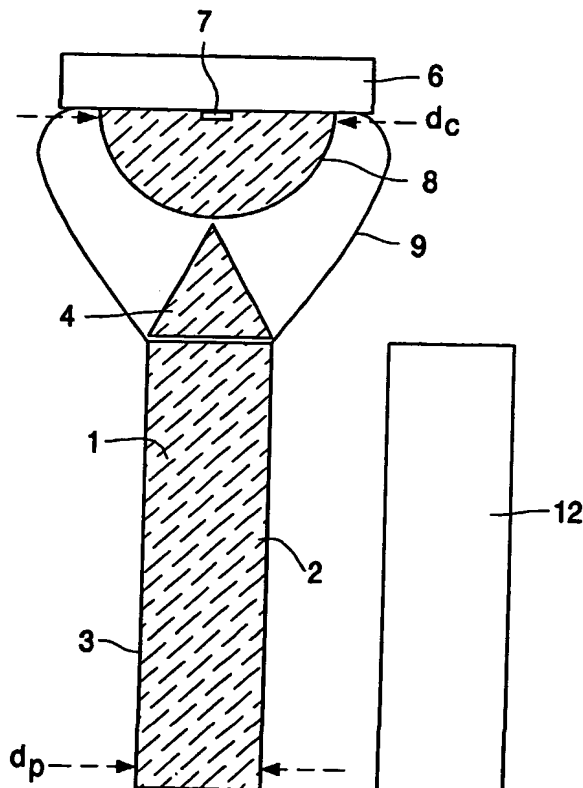
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(54) Title: COMPACT LIGHTING SYSTEM AND DISPLAY DEVICE



(57) Abstract: A compact backlight system for illuminating a display device (12) has a front wall (2) and a rear wall (3) situated opposite thereto. At least one light source (6) comprising a light-emitting diode (7) is provided with a translucent lens-shaped cover (8). The system has at least one light input structure (4) for coupling light from the light source (6) into the light-emitting panel (1). During operation, light originating from the light source (6) is incident on the light input structure (4) and distributes itself in the light-emitting panel (1). According to the invention the light input structure (4) is conically or frustoconically shaped towards the light source (6). The thickness d_p of the light-emitting panel (1) is smaller than the diameter d_c of the translucent lens-shaped cover (8) of the light source (6). Preferably, the light input structure (4) is of prismatic or pyramidal shape.

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